



CELLAR PLAN

KEY

- J SPAN OF EXISTING JOISTS,
- B1 203 UC 46kg/m GRADE S355 STEEL BEAM CENTRED ON SUPPORTED WALL LOCATION. BEAM GIVEN 200mm MIN END BEARING AT WALL END AND SAT ON 440x215x140mm DEEP CONCRETE PADSTONES. FIXED INTO SIDE OF B3 BOTTOM FLUSH VIA A 10mm END PLATE WITH 4No M20 Gr8.8 BOLTS BOLTED TO WEB OF B3
- B2 AS B1
- B3 203 UC 71kg/m GRADE S355 STEEL BEAM GIVEN 200mm END BEARING AND SAT ON 325x215x140mm DEEP CONCRETE PADSTONE. BEAM CENTRED BENEATH SUPPORTED WALL.
- B4 152 UC 30kg/m GRADE S355 STEEL BEAM TO SUPPORT UPPER CHIMNEY BREAST. LOCATED SUCH THAT OUTER FACE OF STEEL IS FLUSH WITH OUTER FACE OF BREAST. GIVEN 200mm END BEARING OVER WALL AND SAT ON 350x215x100mm DEEP CONCRETE PADSTONE AND FIXED INTO BEAM B3 AS NOTED ABOVE
- C1 325x325 ENGINEERING BRICK (CLASS B) PILLAR BUILT OFF A 1250x900x400mm DEEP RC40 CONCRETE PAD FOOTING WITH 2 LAYERS OF A393 MESH NESTED IN BOTTOM WITH 50mm COVER UP FROM UNDERSIDE. FOUNDATION CAST ONTO AN APPROVED FORMATION AT LEAST SAME DOPHT AS CELLAR WALL FOOTING. PILLAR BUILT WITH INTEGRAL DPC AND TIED TO CELLAR WALL USING TWO ROWS OF STARTERS WITH TIES AT 225mm VERTICAL CENTRES. THE MASONRY SHOULD BE BUILT AND ALLOWED TO HARDEN FOR AT LEAST 7 DAYS PRIOR TO ERECTING BEAMS.

ALL EXISTING SUPPORTED STRUCTURES TO BE FULLY PACKED UP OFF THE NEW BEAMS/LINTELS USING SLATE AND/OR STEEL PACKS OVER THE FULL LENGTH OF THE BEAM TO ENSURE FULL LOAD TRANSFER PRIOR TO REMOVING TEMPORARY PROPPING. PROPPING TO BE PROVIDED BY THE BUILDER SUITABLE TO SUPPORT A LOAD OF 3.0T_e PER METRE OF WALL. ALL WALLS SHOULD REMAIN PROPPED UNTIL ALL BEAMS ARE IN PLACE AND SUITABLY PACKED.

ALL STEELWORK TO BE SHOT BLAST AND PRIMED AND TO BE BOARDED IN FIRE BOARD. ALL STEELWORK TO BE FABRICATED TO EXECUTION CLASS 2.

ALL DIMENSIONS TO BE VERIFIED ON SITE AND NOT SCALED OFF THIS DRAWING

NOTE BUILDING THE COLUMNS C1 AND FOUNDATION ADJACENT TO THE PARTY WALL AND BUILDING ON THE PARTY WALL WILL NECESSITATE SERVING NOTICE TO YOUR NEIGHBOUR WITH NOTICE OF THE PROPOSED WORKS FOR THEIR AGREEMENT PRIOR TO COMMENCEMENT AS REQUIRED UNDER THE PARTY WALL ACT.

A 6/20 Final Issue

| Rev | Date | Description | DR | CH |
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| Client: HOLMES | | | | |
| Job Title: 9 OAKBANK WHITEHAVEN | | | | |
| Drawing Title: CELLAR BEAM STRUCTURE | | | | |
| Status: INFORMATION | | | | |
| Scale: NTD | | Date: June 20 | | |
| Drawn By: T. SHUTT | | Checked: | Approved: | |
| Dwg. No: 05-6457 | | Rev: A | | |